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L6 L3 AND (717/\$\$\$ccls. OR 709/\$\$\$ccls. OR 705/\$\$\$ccls.)

273 L6

L5 L4 AND (717/\$\$\$ccls. OR 709/\$\$\$ccls. OR 705/\$\$\$ccls.)

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L4 L2 AND paperless

0 L4

L3 workflow AND paper

651 L3

L2 L1 and workflow

4 L2

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☐ 1. Document ID: US 6427140 B1

L2: Entry 1 of 4

File: USPT

Jul 30, 2002

US-PAT-NO: 6427140

DOCUMENT-IDENTIFIER: US 6427140 B1

**** See image for Certificate of Correction ****

TITLE: Systems and methods for secure transaction management and electronic rights protection

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ginter; Karl L.	Beltsville	MD		
Shear; Victor H.	Bethesda	MD		
Spahn; Francis J.	El Cerrito	CA		
Van Wie; David M.	Sunnyvale	CA		

US-CL-CURRENT: 705/80; 705/53, 713/193

ABSTRACT:

The present invention provides systems and methods for secure transaction management and electronic rights protection. Electronic appliances such as computers equipped in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Distributed and other operating systems, environments and architectures, such as, for example, those using tamper-resistant hardware-based processors, may establish security at each node. These techniques may be used to support an all-electronic information distribution, for example, utilizing the "electronic highway."

30 Claims, 155 Drawing figures

Exemplary Claim Number: 24

Number of Drawing Sheets: 146

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Drawings
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☐ 2. Document ID: US 6389402 B1

L2: Entry 2 of 4

File: USPT

May 14, 2002

US-PAT-NO: 6389402

DOCUMENT-IDENTIFIER: US 6389402 B1

**** See image for Certificate of Correction ****

TITLE: Systems and methods for secure transaction management and electronic rights protection

DATE-ISSUED: May 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ginter; Karl L.	Beltsville	MD		
Shear; Victor H.	Bethesda	MD		
Spahn; Francis J.	El Cerrito	CA		
Van Wie; David M.	Eugene	OR		

US-CL-CURRENT: 705/51; 380/201, 705/1, 705/37, 705/53, 705/57, 705/80

ABSTRACT:

The present invention provides systems and methods for secure transaction management and electronic rights protection. Electronic appliances such as computers equipped in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Distributed and other operating systems, environments and architectures, such as, for example, those using tamper-resistant hardware-based processors, may establish security at each node. These techniques may be used to support an all-electronic information distribution, for example, utilizing the "electronic highway".

2 Claims, 155 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 146

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Drawings
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☐ 3. Document ID: US 6363488 B1

L2: Entry 3 of 4

File: USPT

Mar 26, 2002

US-PAT-NO: 6363488

DOCUMENT-IDENTIFIER: US 6363488 B1

**** See image for Certificate of Correction ****

TITLE: Systems and methods for secure transaction management and electronic rights protection

DATE-ISSUED: March 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ginter; Karl L.	Beltsville	MD		
Shear; Victor H.	Bethesda	MD		
Spahn; Francis J.	El Cerrito	CA		
Van Wie; David M.	Eugene	OR		

US-CL-CURRENT: 713/201; 705/14, 705/53

ABSTRACT:

The present invention provides systems and methods for secure transaction management and electronic rights protection. Electronic appliances such as computers equipped in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Distributed and other operating systems, environments and architectures, such as, for example, those using tamper-resistant hardware-based processors, may establish security at each node. These techniques may be used to support an all-electronic information distribution, for example, utilizing the "electronic highway."

6 Claims, 155 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 146

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 4. Document ID: US 6253193 B1

L2: Entry 4 of 4

File: USPT

Jun 26, 2001

US-PAT-NO: 6253193

DOCUMENT-IDENTIFIER: US 6253193 B1

**** See image for Certificate of Correction ****

TITLE: Systems and methods for the secure transaction management and electronic rights protection

DATE-ISSUED: June 26, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ginter; Karl L.	Beltsville	MD		
Shear; Victor H.	Bethesda	MD		
Spahn; Francis J.	El Cerrito	CA		
Van Wie; David M.	Sunnyvale	CA		

US-CL-CURRENT: 705/57; 705/52

ABSTRACT:

The present invention provides systems and methods for secure transaction management and electronic rights protection. Electronic appliances such as computers equipped in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Distributed and other operating systems, environments and architectures, such as, for example, those using tamper-resistant hardware-based processors, may establish security at each node. These techniques may be used to support an all-electronic information distribution, for example, utilizing the "electronic highway."

72 Claims, 155 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 146

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	Index	Drawings
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☐ 1. Document ID: US 6886046 B2

L7: Entry 1 of 40

File: USPT

Apr 26, 2005

US-PAT-NO: 6886046

DOCUMENT-IDENTIFIER: US 6886046 B2

TITLE: Methods and apparatus for extendible information aggregation and presentation

DATE-ISSUED: April 26, 2005.

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stutz; William	Clarksville	MD		
Kaliappan; Arulnambi	Weston	FL		
Capwell; Ronald	Eldersburg	MD		
Martin; Paul	Columbia	MD		
Ogrin; Todd	Columbia	MD		

US-CL-CURRENT: 709/246; 709/202, 709/203

ABSTRACT:

Methods and apparatus for arbitrarily extendible information aggregation and display. This functionality is achieved by abstracting the components of the system into individual modules which communicate using a platform-independent, extendible markup language such as extensible markup language (XML). A designer adds support for new information sources or client devices by abstracting and encapsulating messages to and from the information source or client device in a wrapper using a platform-independent, extendible markup language such as XML.

22 Claims, 6 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

[Full](#)[Title](#)[Citation](#)[Front](#)[Review](#)[Classification](#)[Date](#)[Reference](#)[Claims](#)[Bibliography](#)[Drawings](#)[References](#)[Claims](#)[Bibliography](#)[Drawings](#)[References](#)

☐ 2. Document ID: US 6883004 B2

L7: Entry 2 of 40

File: USPT

Apr 19, 2005

US-PAT-NO: 6883004
DOCUMENT-IDENTIFIER: US 6883004 B2

TITLE: Automated invoice receipt and management system

DATE-ISSUED: April 19, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bahl; Vincent	Durham	NH		
Campbell; Eric	Rye	NH		

US-CL-CURRENT: 707/10; 705/40, 707/100

ABSTRACT:

An automated invoice management system includes a network circuit for communicating invoice transactions with a plurality of client systems. The automated invoice management system receives an import invoice transaction compliant with a first client transaction definition from a first client system. The import invoice transaction identifies a second client system and amounts due from a second client system associated with the second client. The import invoice transaction is translated to a normalized invoice transaction and the normalized transaction is translated to an export invoice transaction compliant with a second client transaction definition.

13 Claims, 22 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Drawings
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☐ 3. Document ID: US 6882983 B2

L7: Entry 3 of 40

File: USPT

Apr 19, 2005

US-PAT-NO: 6882983
DOCUMENT-IDENTIFIER: US 6882983 B2

TITLE: Method and system for processing transactions

DATE-ISSUED: April 19, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Furphy; Thomas W.	Pittsford	NY		
Bandyh; David W.	Penfield	NY		
Marron; John T.	Rochester	NY		
Carreira; Jason A.	Rochester	NY		

US-CL-CURRENT: 705/30; 705/34

ABSTRACT:

The present invention discloses a system and method for processing business transactions between trading partners using a central interactive platform. The processing may include comparing purchase order data and invoice data to identify matching information and non-matching information. If the information matches, the invoices are processed for payment. If the information does not match, the discrepancies are identified to the buying company or the selling company for resolution.

29 Claims, 9 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Book	Drawings
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☐ 4. Document ID: US 6880006 B1

L7: Entry 4 of 40

File: USPT

Apr 12, 2005

US-PAT-NO: 6880006
DOCUMENT-IDENTIFIER: US 6880006 B1

TITLE: System and method for contextual passive rule-based navigation between applications supporting network-disconnected use

DATE-ISSUED: April 12, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tagg; Bradley S.	Chester	NY		

US-CL-CURRENT: 709/225; 719/320

ABSTRACT:

A system and method for navigating between two or more programs, each program capable of being instantiated to form a program instance. The method includes the steps of: embedding and enabling engine in an origin program and instantiating the origin program; invoking the enabling engine for the origin program instance, which is responsive to the origin program instance; interrogating a rule-base and retrieving one or more conditions associated with the origin program instance; utilizing the one or more conditions to query and evaluate data managed by the origin program instance; establishing and displaying one or more navigation paths to a user via a graphical display by utilizing results of the evaluation; enabling the user selection of a navigation path from the one or more navigation paths thus displayed; and instantiating a target program associated with the navigation path selected by the user and traversing to the target program instance by utilizing.

42 Claims, 14 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Drawings	Drawings
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☐ 5. Document ID: US 6877153 B2

L7: Entry 5 of 40

File: USPT

Apr 5, 2005

US-PAT-NO: 6877153

DOCUMENT-IDENTIFIER: US 6877153 B2

TITLE: Computer-based system for work processes that consist of interdependent decisions involving one or more participants

DATE-ISSUED: April 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Konnersman; Paul M.	Marblehead	MA	01945-3730	

US-CL-CURRENT: 717/100; 717/101, 717/102

ABSTRACT:

A computer-based method and apparatus for the analysis, specification and support of work processes. The system is designed to support multiple interdependent decisions, at least some of which require collaboration among multiple participants (116). Work processes are modeled using an application framework (99) used to develop abstract, decision (100) process models. The decision (100) process models are used as a pattern to instantiate concrete process models that incorporate the work defined by the abstract process. The process model is then used to instantiate project models that incorporate the required work from the process. The project models are used to direct and guide the behavior of the participants (116) in the work process.

46 Claims, 24 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 17

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Drawings	Drawings
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☐ 6. Document ID: US 6874010 B1

L7: Entry 6 of 40

File: USPT

Mar 29, 2005

US-PAT-NO: 6874010

DOCUMENT-IDENTIFIER: US 6874010 B1

TITLE: Base service architectures for netcentric computing systems

DATE-ISSUED: March 29, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sargent; Scott R.	Kenilworth	IL		

US-CL-CURRENT: 709/203; 709/223, 709/226, 709/227, 718/101

ABSTRACT:

A base services architecture for a netcentric computing system is disclosed. The base services architecture includes at least one web server that is connected with an Internet connection and at least one client. A web server service is located on the web server. During operation, the web server service enables the web server to transfer and publish a plurality of documents in the web browser on the client. A push/pull service is located on the web server for automatically notifying members of a subscriber list of the netcentric computing system when a particular piece of information has been changed or updated. A workflow service is located on the web server that includes role management service, route management services, rule management services and queue management services. A batch processing service is also located on the web server that includes batch driver services, restart/recovery services, batch balancing services and batch report services; and a report service on said web server that includes report driver services, report definition services, report build services and report distribution services.

17 Claims, 6 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

Full	Title	Citation	Front	Revision	Classification	Date	Reference			Claims	FIGS	Drawings
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☐ 7. Document ID: US 6867876 B1

L7: Entry 7 of 40

File: USPT

Mar 15, 2005

US-PAT-NO: 6867876

DOCUMENT-IDENTIFIER: US 6867876 B1

TITLE: Remote database support in a multifunction office device

DATE-ISSUED: March 15, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Czyszczewski; Joseph Stanley	Longmont	CO		
Smith, II; James T	Boulder	CO		
Woehr; Ivan	Superior	CO		
Moroney; Brian William	Longmont	CO		
Greenwood; David George	Lafayette	CO		

US-CL-CURRENT: 358/1.15; 358/1.13, 358/1.14, 379/100.08, 700/17, 709/224, 709/225, 709/226

ABSTRACT:

A multifunction device includes a multifunction controller, a first interface for receiving input data from a document source and a second interface for outputting processed input data to at least one printer, and a third interface for coupling to a global data communications network for receiving current document data, as well as up to date recipient contact information therefrom. An interface is provided to control the operation of the multifunction device, including controlling access to and searching of remote databases coupled to the global data communications network. The remote databases can include, by example, a database of forms, a security database, and a directory database. The interface can control the operation of the multifunction device for accessing and searching a database containing the recipient contact information for sending at least one of a facsimile or an e-mail that contains processed input data.

25 Claims, 15 Drawing figures
 Exemplary Claim Number: 1
 Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Drawings
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☐ 8. Document ID: US 6865427 B2

L7: Entry 8 of 40

File: USPT

Mar 8, 2005

US-PAT-NO: 6865427

DOCUMENT-IDENTIFIER: US 6865427 B2

TITLE: Method for management of workflows between devices in a pervasive embedded or external environment

DATE-ISSUED: March 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; William A.	Raleigh	NC		
Muirhead; Richard William	Tyler	TX		
Reddington; Francis Xavier	Sarasota	FL		

US-CL-CURRENT: 700/19; 340/3.1, 700/12, 700/23, 709/223, 709/224, 725/79

ABSTRACT:

The present invention provides a method and system to monitor the statuses of devices that can operate and transmit current device status information to a storage location. The present invention also provides a method to manage and initiate sets of instructions that will be performed by devices in response to a set of current statuses of one or more devices. Each set of instructions is known as a "workflow routine". Each workflow routine will be based on a set device statuses. This set of device statuses can be referred as a device scenario. When a status of a device changes, the workflow manager of the present invention will check the statuses of the devices in the scenario to determine if the scenario conditions for the initiation of a specified workflow have been met. When the conditions have been met, the workflow routine will be initiated and perform a set of instructions which could lead to the performance of some activity by one or more devices in the network.

27 Claims, 15 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Figures	Figures	Claims	FIGS	Drawn
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☐ 9. Document ID: US 6862573 B2

L7: Entry 9 of 40

File: USPT

Mar 1, 2005

US-PAT-NO: 6862573
DOCUMENT-IDENTIFIER: US 6862573 B2

TITLE: Automated transaction management system and method

DATE-ISSUED: March 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kendall; John	Boulder	CO		
Phillips; Chris	Longmont	CO		

US-CL-CURRENT: 705/7; 705/10, 705/8, 705/9

ABSTRACT:

An automated knowledge dependent transaction management system for processing both the front-end and back-end of a transaction is provided. The system contains hard-coded transaction management module to support the processing of deterministic manual work independent of the specific transactions. According to the invention, the hard-coded module is separated from the business logic that comprise the definition and configuration of the transaction specific data models, business rules and process steps which drive the manual work of human operators. Such separation of code and business logic allows any ordinary business administrator without any computer programming experience to quickly develop the business logic through a simple GUI. Further, any change in the business logic can be implemented quickly using the GUI by the ordinary administrator to accommodate changes in the business environment without relying on computer programmers.

34 Claims, 10 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Figures	Figures	Claims	FIGS	Drawn
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☐ 10. Document ID: US 6860422 B2

L7: Entry 10 of 40

File: USPT

Mar 1, 2005

US-PAT-NO: 6860422
DOCUMENT-IDENTIFIER: US 6860422 B2

TITLE: Method and apparatus for tracking documents in a workflow

DATE-ISSUED: March 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hull; Jonathan J.	San Carlos	CA		
Graham; Jamey	San Jose	CA		
Lee; Dar-Shyang	Union City	CA		
Segawa; Hideki	Foster City	CA		

US-CL-CURRENT: 235/376; 235/375, 235/385, 235/435, 235/451, 235/487, 235/491,
340/572.1, 705/8

ABSTRACT:

A workflow system and method include tracking the physical movement of documents. The information of the physical movement is incorporated with the flow graph of a workflow. A display of the workflow can then be enhanced by the information relating to the physical movement of the document.

28 Claims, 11 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	1000	Drawings
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☐ 11. Document ID: US 6859831 B1

L7: Entry 11 of 40

File: USPT

Feb 22, 2005

US-PAT-NO: 6859831

DOCUMENT-IDENTIFIER: US 6859831 B1

TITLE: Method and apparatus for internetworked wireless integrated network sensor (WINS) nodes

DATE-ISSUED: February 22, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gelvin; David C.	Escondido	CA		
Girod; Lewis D.	Los Angeles	CA		
Kaiser; William J.	Los Angeles	CA		
Merrill; William M.	Los Angeles	CA		
Newberg; Fredric	San Diego	CA		
Pottie; Gregory J.	Los Angeles	CA		
Sipos; Anton I.	Los Angeles	CA		
Vardhan; Sandeep	Walnut	CA		

US-CL-CURRENT: 709/224

ABSTRACT:

The Wireless Integrated Network Sensor Next Generation (WINS NG) nodes provide distributed network and Internet access to sensors, controls, and processors that are deeply embedded in equipment, facilities, and the environment. The WINS NG network is a new monitoring and control capability for applications in transportation, manufacturing, health care, environmental monitoring, and safety and security. The WINS NG nodes combine microsensor technology, low power distributed signal processing, low power computation, and low power, low cost wireless and/or wired networking capability in a compact system. The WINS NG networks provide sensing, local control, remote reconfigurability, and embedded intelligent systems in structures, materials, and environments.

55 Claims, 53 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Draw D.
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☐ 12. Document ID: US 6859791 B1

L7: Entry 12 of 40

File: USPT

Feb 22, 2005

US-PAT-NO: 6859791

DOCUMENT-IDENTIFIER: US 6859791 B1

TITLE: Method for determining internet users geographic region

DATE-ISSUED: February 22, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Spagna; Richard L.	Boca Raton	FL		
Rettig; Paul R.	Parkland	FL		
Rodgers; Jeremy	Deerfield Beach	FL		
Best; Arthur	Coconut Creek	FL		
Best, II; Arthur R.	Coral Springs	FL		

US-CL-CURRENT: 705/51; 705/1, 705/26

ABSTRACT:

A method at a clearing house to verify the geographic region of an end user device for receiving encrypted digital content. In one embodiment the geographic region is a country. The method comprising three sub-methods. In the first sub-method the address is verified by determining the credit card clearing address of the end user using an address verification system. In the second sub-method the address is verified by determining the IP address of the end user device requesting delivery of the encrypted digital content. And in the third sub-method the address is verified by checking that the IP address of the end user device requesting delivery of the encrypted digital content is the identical IP address of the end user device

requesting a license to use the encrypted digital content. Depending on predetermined system settings, one or more of the above combination of the three sub-methods is then checked, before authorizing the decrypting of the encrypted digital content includes decrypting the encrypted digital content if the address verification system returns an address in a predetermined geographic region and the IP address of the end user device is in a predetermined geographic region.

16 Claims, 24 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 24

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 13. Document ID: US 6859785 B2

L7: Entry 13 of 40

File: USPT

Feb 22, 2005

US-PAT-NO: 6859785
DOCUMENT-IDENTIFIER: US 6859785 B2

TITLE: Diagnostic method and apparatus for business growth strategy

DATE-ISSUED: February 22, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Case; Amy	North Hampton	NH		

US-CL-CURRENT: 705/10; 705/36, 705/38, 705/7

ABSTRACT:

A method and apparatus for quantitatively determining the optimal mix of strategies to drive growth (i.e., in company profits). The growth strategy mix includes a reenergize component, an adjacency component and a transformation component. Company data of companies exhibiting successful growth is obtained. From the obtained company data, a model that quantifies respective amounts of reenergizing activities, adjacency activities and transformation activities for different strategic growth mixes is defined. The model is applied to a given company such that respective quantitative amounts of a reenergize component, an adjacency component and a transformation component are defined and form a strategic growth mix for the given company. The invention may be computer implemented to provide an interactive questionnaire for quantitatively determining a growth strategy mix. A non-electronic questionnaire implementation provides a calculation tool of the present invention as well.

11 Claims, 24 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 24

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 14. Document ID: US 6856970 B1

L7: Entry 14 of 40

File: USPT

Feb 15, 2005

US-PAT-NO: 6856970

DOCUMENT-IDENTIFIER: US 6856970 B1

TITLE: Electronic financial transaction system

DATE-ISSUED: February 15, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Campbell; Eric	Plandome	NY		
Lemanis; Maris Norbert	Smithtown	NY		
Hoffman; Robert F.	Auburndale	NY		
Nebenhaus; Eve Renee	Manhasset	NY		

US-CL-CURRENT: 705/35; 705/37

ABSTRACT:

A financial transaction system consistent with the invention allows clients of a financial institution to use a web-based workstation to interface with a plurality of back office systems within one or more financial institutions. In an exemplary embodiment, a financial transaction system comprises a hub server, a plurality of financial institutions, at least one web server, and at least one database server. The hub server receives data in the form of a plurality of disparately formatted instructions and communicates the instructions to the financial institutions, which are connected to the hub server for receiving the data and have a plurality of differing reception formats to receive the reformatted data. Data is transmitted between the web server and at least one user via a network interface, and between the web server and the hub server. The web server stores data and at least one application in an application database. Data is transmitted between the database server, the hub server, and the web server, and is stored in a hub database. The hub server maps data received from the financial institutions and loads it onto the hub database. The web server receives the mapped data from the hub database, transmits it onto the application database, and permits the user to manipulate it using the application. In another exemplary embodiment, a method of executing a financial transaction consistent with the present invention comprises the steps of receiving into an application database an instruction to execute a financial transaction from at least one user using an application, receiving the instruction into a hub database, reformatting the instruction, and routing the reformatted instruction to at least one financial institution.

5 Claims, 52 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 42

Full	Title	Abstract	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 15. Document ID: US 6854056 B1

US-PAT-NO: 6854056
DOCUMENT-IDENTIFIER: US 6854056 B1

TITLE: Method and system for coupling an X.509 digital certificate with a host identity

DATE-ISSUED: February 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Benantar; Messaoud	Austin	TX		
Gindin; Thomas L.	Potomac	MD		
Milman; Ivan	Austin	TX		

US-CL-CURRENT: 713/156; 380/282, 709/227, 709/229, 713/155, 713/168, 713/182, 713/201

ABSTRACT:

A method or system is presented for coupling identities through the use of digital certificates, thereby allowing a client to be authenticated for a variety of services without those services having to modify their existing methods of authentication. The client generates a request for a digital certificate containing its host identity for a targeted host and secret data associated with its host identity. The secret data has been encrypted using the public key of the certifying authority that receives the request for the digital certificate. The certifying authority decrypts the secret data using its private key and encrypts the secret data using the public key of the targeted host. The digital certificate is then generated and returned to the client. At some point in time, a host receives the certificate from the client and obtains the client's host identity from the certificate, i.e. the host identity uniquely identifies the client or the user of the client to the host. Encrypted secret data associated with the host identity, such as a password, is also retrieved from the digital certificate. The host decrypts the secret data with its private key, and the host then authenticates the client using the host identity and the decrypted secret data for various services. The digital certificate may be formatted according to the X.509 standard, and the host identity and secret information may be stored in an X.509 extension within the digital certificate.

40 Claims, 11 Drawing figures
Exemplary Claim Number: 14
Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 16. Document ID: US 6850956 B1

US-PAT-NO: 6850956
DOCUMENT-IDENTIFIER: US 6850956 B1

TITLE: Method and apparatus for obtaining and storing data during automated data processing

DATE-ISSUED: February 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Knutson; Loren G.	Allen	TX		

US-CL-CURRENT: 707/201; 707/2, 707/9, 710/100, 717/109

ABSTRACT:

A number of items of data from a data source (12) can be processed and then supplied to a data destination (16, 17). The data may include image data, text data, numeric data or other types of data, or a combination of these types of data. The processing of the data is controlled by a project definition (14, 71, 101), which includes a plurality of modules selected from a variety of available modules (Tables 1-4). The modules have input and output ports which are interrelated by binding information. The data source may be located in a remote system, and the data may be obtained from that data source in an automated manner through a computer network. Similarly, the data destination may be a remote system, and the processed data may be deposited in the data destination in an automated manner through a computer network.

24 Claims, 19 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Footnote	Drawings
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☐ 17. Document ID: US 6850939 B2

L7: Entry 17 of 40

File: USPT

Feb 1, 2005

US-PAT-NO: 6850939

DOCUMENT-IDENTIFIER: US 6850939 B2

TITLE: System and method for providing selective data access and workflow in a network environment

DATE-ISSUED: February 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bostleman; Mark W.	Sylvania	OH		
Pappas; Jeffrey P.	Oregon	OH		
Nallamothe; Mallikarjun	Reston	VA		
Buzdor; Nathan D.	Toledo	OH		

US-CL-CURRENT: 707/9; 707/10, 709/223

ABSTRACT:

A method for managing and selectively sharing multiples sets of information to be used in a plurality of projects is disclosed. Each set of information is created, revised and controlled by separate entities. The method is executed in a computer system where at least one first set of information and at least one second set of information is received from at least a first entity. A second entity is permitted to retrieve, use and/or revise the first set of information, while at the same time the second entity is prohibited from retrieving, using and/or revising of the second set of information. At least one third set of information and at least one fourth set of information are received from the second entity. The first entity is permitted to retrieve, use and/or revise the third set of information, while the first entity is prohibited from at least one of retrieving, using or revising of the fourth set of information.

40 Claims, 15 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Page	Drawings
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☐ 18. Document ID: US 6850908 B1

L7: Entry 18 of 40

File: USPT

Feb 1, 2005

US-PAT-NO: 6850908

DOCUMENT-IDENTIFIER: US 6850908 B1

TITLE: Methods and apparatus for monitoring collateral for lending

DATE-ISSUED: February 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smith, II; William D.	Schenectady	NY		
Dixon, III; Walter V.	Delanson	NY		
Simmons; Melvin K.	Schenectady	NY		
Stillman; Jonathan P.	Ballston Spa	NY		
Casciano; Anthony G.	Norwalk	CT		
McKay, III; James J.	Ridgefield	CT		
Steyer; Ferdinand	Riverside	CT		
Boehm; Thomas R.	Milford	CT		

US-CL-CURRENT: 705/38; 382/173, 705/35

ABSTRACT:

Methods and apparatus for monitoring, for example, accounts receivable, accounts payable, inventory, trading partners, chart of accounts, invoices, and/or payments, using a process management and workflow system coupled to a data repository are described. In one embodiment, the process management and workflow system is configured to be coupled to an accounting system by a communications link, and communicates with the accounting system via the communication link, authenticates

the validity of the accounting system, receives financial information from the accounting system, extracts data from the financial information, and loads the extracted data into said data repository.

21 Claims, 32 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Page	Draw
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☐ 19. Document ID: US 6850643 B1

L7: Entry 19 of 40

File: USPT

Feb 1, 2005

US-PAT-NO: 6850643

DOCUMENT-IDENTIFIER: US 6850643 B1

TITLE: Methods and apparatus for collateral risk monitoring

DATE-ISSUED: February 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smith, II; William D.	Schenectady	NY		
Dixon, III; Walter V.	Delanson	NY		
Simmons; Melvin K.	Schenectady	NY		
Stillman; Jonathan P.	Ballston Spa	NY		
Sanicola; Steven	Middletown	CT		
Persico; James R.	Stanford	CT		
Steward; William C.	Norwalk	CT		
Pengue; Daniel R.	London			GB

US-CL-CURRENT: 382/173; 705/30, 705/38

ABSTRACT:

Methods and Apparatus for monitoring collateral risk are described. In one embodiment, the method includes monitoring, for example, accounts receivable, accounts payable, inventory, trading partners, chart of accounts, invoices, and/or payments of a client using a process management and workflow system coupled to a data repository. Specifically, and in an exemplary embodiment, the method includes receiving financial information, extracting data from the financial information, evaluating current collateral information based on the data, and evaluating current credit status.

22 Claims, 32 Drawing figures
Exemplary Claim Number: 10
Number of Drawing Sheets: 28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Page	Draw
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☐ 20. Document ID: US 6845507 B2

L7: Entry 20 of 40

File: USPT

Jan 18, 2005

US-PAT-NO: 6845507

DOCUMENT-IDENTIFIER: US 6845507 B2

TITLE: Method and system for straight through processing

DATE-ISSUED: January 18, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kenton; Stephen J.	New York	NY		

US-CL-CURRENT: 719/314; 705/1, 709/201

ABSTRACT:

A method and system for performing straight through processing is presented. The method includes monitoring a queue in order to detect a specific message. This message is parsed to take it from an external format into an internal format. The contents of the message include stages, with one stage being marked as active, and each stage having at least one step and a queue identifier. The processing specified in the steps contained in the active stage is performed, the active stage is marked inactive, and a new stage is marked active. The message is parsed back into the external format and directed to the queue specified by the queue identifier. Additional embodiments include a storage medium and a signal propagated over a propagation medium for performing computer messaging.

66 Claims, 16 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference					Claims	Index	Drawings
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☐ 21. Document ID: US 6842740 B1

L7: Entry 21 of 40

File: USPT

Jan 11, 2005

US-PAT-NO: 6842740

DOCUMENT-IDENTIFIER: US 6842740 B1

TITLE: Method for providing automatic payment when making duplicates of copyrighted material

DATE-ISSUED: January 11, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jeran; Paul L	Meridian	ID		

US-CL-CURRENT: 705/39; 705/13, 705/23, 705/40, 705/44

ABSTRACT:

A method and system for providing payment when duplicating a document containing copyrighted material, comprising the steps of: locating and electronically reading a billing mark, if it exists, on a document to be copied/scanned; obtaining machine readable billing data by way of the billing mark; authorizing payment of a fee to a copyright owner; and duplicating the document.

18 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Draw	Draw
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☐ 22. Document ID: US 6834110 B1

L7: Entry 22 of 40

File: USPT

Dec 21, 2004

US-PAT-NO: 6834110

DOCUMENT-IDENTIFIER: US 6834110 B1

TITLE: Multi-tier digital TV programming for content distribution

DATE-ISSUED: December 21, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Marconcini; Franco	Bergarno			IT
Munson; Jonathan P.	Putnam Valley	NY		
Pacifici; Giovanni	New York	NY		
Tantawy; Ahmed	Yorktown Heights	NY		
Youssef; Alaa S.	Jefferson Valley	NY		

US-CL-CURRENT: 380/239; 380/279, 380/281, 380/282, 380/44, 705/1, 705/64

ABSTRACT:

A method of securely providing data to a user's system over a broadcast infrastructure. The method comprising the steps of: encrypting the data using a first encrypting key; encrypting a first decrypting key using a second encrypting key; dividing at least part of the encrypted data into a series of logical packages; placing at least some of the logical packages into a broadcast carousel for cyclical broadcast over the broadcast infrastructure; broadcasting the packages in broadcast carousel so that they can be received by at least one user's system, wherein the broadcast is cyclical and repeats periodically; and transferring the encrypted first decrypting key, which has been encrypted with the second encrypting key, to the user's system.

In another embodiment, a system is disclosed to carry out the above method in a broadcast infrastructure and an image overlaid on top of a primary image being displayed is used to denote that additional logical packages are available for receipt by broadcast.

29 Claims, 30 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Drawings	Claims	Index	Drawings
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☐ 23. Document ID: US 6832251 B1

L7: Entry 23 of 40

File: USPT

Dec 14, 2004

US-PAT-NO: 6832251
DOCUMENT-IDENTIFIER: US 6832251 B1

TITLE: Method and apparatus for distributed signal processing among internetworked wireless integrated network sensors (WINS)

DATE-ISSUED: December 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gelvin; David C.	Escondido	CA		
Girod; Lewis D.	Los Angeles	CA		
Kaiser; William J.	Los Angeles	CA		
Merrill; William M.	Los Angeles	CA		
Newberg; Fredric	San Diego	CA		
Pottier; Gregory J.	Los Angeles	CA		
Sipos; Anton I.	Los Angeles	CA		
Vardhan; Sandeep	Walnut	CA		

US-CL-CURRENT: 709/224

ABSTRACT:

The Wireless Integrated Network Sensor Next Generation (WINS NG) nodes provide distributed network and Internet access to sensors, controls, and processors that are deeply embedded in equipment, facilities, and the environment. The WINS NG network is a new monitoring and control capability for applications in transportation, manufacturing, health care, environmental monitoring, and safety and security. The WINS NG nodes combine microsensor technology, low power distributed signal processing, low power computation, and low power, low cost wireless and/or wired networking capability in a compact system. The WINS NG networks provide sensing, local control, remote reconfigurability, and embedded intelligent systems in structures, materials, and environments.

61 Claims, 53 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Code	Draw
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☐ 24. Document ID: US 6832202 B1

L7: Entry 24 of 40

File: USPT

Dec 14, 2004

US-PAT-NO: 6832202

DOCUMENT-IDENTIFIER: US 6832202 B1

TITLE: Method and system of routing requests for authorized approval

DATE-ISSUED: December 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schuyler; Paula D.	Plano	TX		
Stone; David E.	Frisco	TX		
Tara; Marisa S.	Plano	TX		

US-CL-CURRENT: 705/8; 705/38, 705/7

ABSTRACT:

A method and system for routing requests for authorization may comprise automatically determining approvals required for authorization of a request (72). A valid agent to provide one of the approvals required for authorization of the request (72) may be automatically determined. The requests (72) may be automatically routed to the valid agent for approval. After approval, it may be automatically determined if the approvals required for authorization of the requests (72) have been obtained.

23 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Code	Draw
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☐ 25. Document ID: US 6826607 B1

L7: Entry 25 of 40

File: USPT

Nov 30, 2004

US-PAT-NO: 6826607

DOCUMENT-IDENTIFIER: US 6826607 B1

TITLE: Apparatus for internetworked hybrid wireless integrated network sensors (WINS)

DATE-ISSUED: November 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gelvin; David C.	Escondido	CA		
Girod; Lewis D.	Los Angeles	CA		
Kaiser; William J.	Los Angeles	CA		
Merrill; William M.	Los Angeles	CA		
Newberg; Fredric	San Diego	CA		
Pottier; Gregory J.	Los Angeles	CA		
Sipos; Anton I.	Los Angeles	CA		
Vardhan; Sandeep	Walnut	CA		

US-CL-CURRENT: 709/224

ABSTRACT:

The Wireless Integrated Network Sensor Next Generation (WINS NG) nodes provide distributed network and Internet access to sensors, controls, and processors that are deeply embedded in equipment, facilities, and the environment. The WINS NG network is a new monitoring and control capability for applications in transportation, manufacturing, health care, environmental monitoring, and safety and security. The WINS NG nodes combine microsensor technology, low power distributed signal processing, low power computation, and low power, low cost wireless and/or wired networking capability in a compact system. The WINS NG networks provide sensing, local control, remote reconfigurability, and embedded intelligent systems in structures, materials, and environments.

68 Claims, 53 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 26. Document ID: US 6817008 B2

L7: Entry 26 of 40

File: USPT

Nov 9, 2004

US-PAT-NO: 6817008

DOCUMENT-IDENTIFIER: US 6817008 B2

TITLE: System and method for enterprise-wide business process management

DATE-ISSUED: November 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ledford; Bobby	Columbus	GA		
Marks; Richard	Pine Mountain	GA		
Paul; Chuck	Cataula	GA		
Sorrell; Ben	Columbus	GA		

US-CL-CURRENT: 717/102; 715/513

ABSTRACT:

Implementing a business process management system across an entire enterprise. An exemplary computer-based system for implementing business processes can access data existing on one or more of the computer platforms of an enterprise to implement workflows by a workflow engine. A business process can be broken into business rules that define the process. These business rules can then be categorized into work element categories and translated into workflow elements. Data for supporting the workflow can be identified, including sources of that data within the enterprise. Delegates can be designed to implement each individual workflow element. For example, a delegate can be designed to support the retrieval of data from a computer platform other than the platform hosting a workflow engine. These delegates, which typically comprise XML documents, can be assembled and operated as workflow elements to form the workflow processed by the workflow engine.

22 Claims, 9 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS.	Draw. G.
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☐ 27. Document ID: US 6807583 B2

L7: Entry 27 of 40

File: USPT

Oct 19, 2004

US-PAT-NO: 6807583

DOCUMENT-IDENTIFIER: US 6807583 B2

TITLE: Method of determining causal connections between events recorded during process execution

DATE-ISSUED: October 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hrischuk; Curtis	Woodinville	WA		
Woodside; Charles Murray	Ottawa			CA

US-CL-CURRENT: 719/318; 702/182, 714/39, 717/124

ABSTRACT:

A method of determining scenario causality, along with precedence causality, is disclosed. Information is recorded relating to events occurring during execution of a process. The information includes object related information and process related information. The information is translated into a sequence of scenario graph language statements, one or more events translated to a statement. From the statements, process execution flow is determined establishing some scenario causality and precedence causality.

21 Claims, 19 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 28. Document ID: US 6792575 B1

L7: Entry 28 of 40

File: USPT

Sep 14, 2004

US-PAT-NO: 6792575

DOCUMENT-IDENTIFIER: US 6792575 B1

TITLE: Automated processing and delivery of media to web servers

DATE-ISSUED: September 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Samaniego; Christopher	San Francisco	CA		
Offner; Nelson H. "Rocky"	Kensington	CA		
Thewlis; Adrian D.	Sausalito	CA		
Boyd; David R.	San Francisco	CA		

US-CL-CURRENT: 715/513; 709/203, 709/219, 715/501.1, 715/517, 715/735

ABSTRACT:

A system using as input original media, an HTML document or browser language having proprietary tags, Web server traffic, and Web-client capabilities to generate an optimized Web media and HTML to refer to the generate media, and to automatically deploy the HTML and media to the Web server is provided. A Web authoring process is provided for facilitating creation of the media, assignment of a unique name to the media, and modification of the HTML document or browser language to contain a proprietary tag. Viewing capability is provided by the Web server passing the HTML or browser language, client browser capabilities, and current server traffic to the system, which parses the HTML or browser language searching for the proprietary tags. If a proprietary tag is found, the tag is processed to generate the Web media. Information is stored in the system database in case identical proprietary tags are processed.

9 Claims, 16 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 29. Document ID: US 6789252 B1

L7: Entry 29 of 40

File: USPT

Sep 7, 2004

US-PAT-NO: 6789252

DOCUMENT-IDENTIFIER: US 6789252 B1

TITLE: Building business objects and business software applications using dynamic object definitions of ingrediential objects

DATE-ISSUED: September 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burke; Miles D.	Phoenix	AZ	85016	
Solar, Jr.; Richard J.	Phoenix	AZ	85018	

US-CL-CURRENT: 717/100; 717/103

ABSTRACT:

A method and system are provided for providing an open and extensible object definition framework that manages business object definitions as specifications. This framework may be used to dynamically define any object that is to be processed by a computer. Objects can include Properties, Classifications, Knowledge, Business Objects, and Business Rules to name a few. Some examples of typical Business Objects include: business and social entities; locations, including spaces, places and channels; activities, including events and processes; items, including products and services; and business records, including orders and other forms of demand, inventory, jobs, deliverables, statements, transaction history et. al. The method and system may be used to define any object that is to be processed by a computer. Objects can include Properties, Classifications, Knowledge, Business Objects, and Business Rules to name a few. Typical Business Objects include: Business and social entities; Locations including spaces, places, and channels; Activity including events and processes; Items including products and services; Business Records including orders and other forms of demand, inventory, jobs, deliverables, statements, transaction history et. al.

237 Claims, 127 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 72

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	PubC	Grand C
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Morey; Michael G.	Indianapolis	IN
Risk; Gregory M.	W. Lafayette	IN
Hobson; Douglas G.	Indianapolis	IN
Aldridge; Amy S.	Indianapolis	IN
Taylor; Richard S.	Indianapolis	IN

US-CL-CURRENT: 709/206; 709/201, 709/246, 714/48, 719/318

ABSTRACT:

A method, system, and computer program product is provided for the determination of a single delivery status of a message sent to multiple recipients which also allows the message to be transmitted or transferred through multiple message protocols, such as Extended Simple Message Transfer Protocol (ESMTP), Messaging Application Programming Interface (MAPI), and Vendor Independent Messaging (VIM). A sender generates an original message that is intended to be sent to multiple recipients. When a delivery status notification is received from a recipient, the delivery status notification contains a protocol-specific delivery status code. The protocol-specific status codes of multiple messaging protocols are mapped to a protocol-neutral set of status codes that can be commonly applied to any given messaging protocol. An overall protocol-neutral delivery status code for the original message can be computed based upon protocol-neutral status codes for a plurality of delivery status notifications received from a plurality of recipients of the original message. An envelope identifier can be associated with the original message to facilitate tracking and reconciliation of delivery status notifications. A time-out period for receipt of delivery status notifications can be associated with the original message.

36 Claims, 19 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Draw	Draw
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☐ 31. Document ID: US 6778972 B2

L7: Entry 31 of 40

File: USPT

Aug 17, 2004

US-PAT-NO: 6778972

DOCUMENT-IDENTIFIER: US 6778972 B2

TITLE: System and method for providing integrated management of electronic information

DATE-ISSUED: August 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Leonardos; Gustavos S.	Rio de Janeiro			BR

US-CL-CURRENT: 707/1; 707/100, 707/101, 707/102, 707/2, 709/217, 709/219

ABSTRACT:

A system and method for managing electronic information using a computer system for one or more users. The method comprises creating an electronic folder and storing the folder in an electronic folder management system, creating files for the electronic folder, maintaining a collection of electronic folders and the files stored therein, and associating the electronic folders with one or more files such that each of the files may be accessed by identifying the related electronic folder.

106 Claims, 33 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Figures	Claims	Index	Drawings
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☐ 32. Document ID: US 6772157 B2

L7: Entry 32 of 40

File: USPT

Aug 3, 2004

US-PAT-NO: 6772157
DOCUMENT-IDENTIFIER: US 6772157 B2

TITLE: Delegated administration of information in a database directory

DATE-ISSUED: August 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barnett; Janet Arlie	Pattersonville	NY		
Vivier; Barbara Jean	Niskayuna	NY		
Aggour; Kareem Sherif	Schenectady	NY		
Kornfein; Mark Mitchell	Latham	NY		

US-CL-CURRENT: 707/9; 707/10, 709/206, 709/229, 709/246, 713/201

ABSTRACT:

A delegated administration tool for administrating information in a database directory. The delegated administration tool enables an administrator to delegate administration and various types of administrative authority to other users within a community of users. In particular, an administrator with proper authority may create new administrative domains and assign authority referred to as delegation authority and edit authority to other users. The creation of additional administrative domains and the assignment of the delegation authority and edit authority can continue to an arbitrary level within the community.

48 Claims, 17 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 17

Full	Title	Citation	Front	Review	Classification	Date	Reference	Figures	Claims	Index	Drawings
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☐ 33. Document ID: US 6772131 B1

L7: Entry 33 of 40

File: USPT

Aug 3, 2004

US-PAT-NO: 6772131

DOCUMENT-IDENTIFIER: US 6772131 B1

**** See image for Certificate of Correction ****

TITLE: Distributed, object oriented global trade finance system with imbedded imaging and work flow and reference data

DATE-ISSUED: August 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Francis; James G.	Northport	NY		
Carden; Ronald W.	Herndon	VA		

US-CL-CURRENT: 705/35; 705/39, 705/42

ABSTRACT:

An object oriented trade finance system designed to support a large-scale transactional work flow on a global basis. The system is designed to support imbedded imaging technology for the scanning, storage and retrieval of all documents coming into and going out of the system. The system allows for the distribution of processing across geographic boundaries while also providing the ability to perform high-volume transaction processing. The system supports all facets of the trade finance business. The trade finance system is organized into a central and distributed location hardware architecture with a three tier software architecture. Work flow distribution rules are used to distribute the work items to a work item list for work group that can be distributed geographically in different time zones. The rules also redistribute the work items as needed to allow processing to continue when the originally assigned workgroup has reached an end of its business day.

17 Claims, 29 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 27

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Drawings	Drawings
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☐ 34. Document ID: US 6769118 B2

L7: Entry 34 of 40

File: USPT

Jul 27, 2004

US-PAT-NO: 6769118

DOCUMENT-IDENTIFIER: US 6769118 B2

**** See image for Certificate of Correction ****

TITLE: Dynamic, policy based management of administrative procedures within a

distributed computing environment

DATE-ISSUED: July 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Garrison; John M.	Austin	TX		
Swart; Rose Anne	Austin	TX		

US-CL-CURRENT: 717/177; 709/201, 709/203, 709/217, 717/172, 717/173, 717/176

ABSTRACT:

An administrative management system comprising an administrative server and a client is disclosed. In response to a selection of an administrative procedure to be executed on the client, the administrative server determines if an execution of the administrative procedure on the client is in compliance with one or more corresponding policies. If the execution is in compliance with the corresponding policy or policies, the administrative server determines the storage location of the administrative procedure. If the selected administrative procedure is stored on the client, the administrative server executes the administrative procedure on the client. If the selected administrative procedure is stored on the administrative server, the administrative server pushes a corresponding script of the administrative procedure from the administrative server to the client and then installs and executes the script on the client. If the selected administrative procedure is stored at a remote location, the administrative server pushes a corresponding script of the administrative procedure from the remote location to the client and then installs and executes the script on the client.

6 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw. Co.
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☐ 35. Document ID: US 6769113 B1

L7: Entry 35 of 40

File: USPT

Jul 27, 2004

US-PAT-NO: 6769113

DOCUMENT-IDENTIFIER: US 6769113 B1

**** See image for Certificate of Correction ****

TITLE: Enterprise process models and enterprise application for information technologies

DATE-ISSUED: July 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bloom; Bard	Yorktown Heights	NY		
Reimer; Darrell	Ossining	NY		

Simmonds; Ian D. Dobbs Ferry NY
Wegman; Mark N. Ossining NY

US-CL-CURRENT: 717/103; 705/8

ABSTRACT:

An enterprise process model that comprises a plurality of actors, actions performed by said actors, objects acted upon by said actions, and roles. Data characterizing the view of the attributes of at least one of the objects of the model is generated by associating a plurality of situation/role pairs with the at least one object; and then, for each particular situation/role pair, defining a view definition for subsequent use. In another aspect of the present invention, an enterprise application for use in an information system that comprises diverse software services and hardware platforms is generated by providing a model of the enterprise process, wherein the model comprises a plurality of actors, actions performed by said actors, objects acted upon by said actions, and roles. A configuration defining software services and hardware platforms that support the model is generated. Finally, program fragments that support the model are generated.

12 Claims, 9 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Draw
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☐ 36. Document ID: US 6768995 B2

L7: Entry 36 of 40

File: USPT

Jul 27, 2004

US-PAT-NO: 6768995

DOCUMENT-IDENTIFIER: US 6768995 B2

TITLE: Real-time aggregation of data within an enterprise planning environment

DATE-ISSUED: July 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thier; Adam	Burnsville	MN		
Sandles; Jon M	York			GB
Pearson; George Duncan	Firby			GB
Gould; Michael	Easingwold			GB

US-CL-CURRENT: 707/100; 705/10, 707/104.1

ABSTRACT:

An enterprise business planning system includes a database having a relational data area and a transactional data area, and a server to store within the transactional data area contribution data received from a set of enterprise contributors. The server publishes the contribution data from the transactional data area to the

relational data area. The transactional data area may include a set of contribution slots and a set of aggregations slots hierarchically related in accordance with an enterprise model. The relational area includes a set of related tables defined in accordance with the model. The transactional data area supports real-time interaction with the enterprise contributors, while the relational data area allows detailed statistical analysis and report generation.

16 Claims, 21 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Keywords	Drawings
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☐ 37. Document ID: US 6762851 B1

L7: Entry 37 of 40

File: USPT

Jul 13, 2004

US-PAT-NO: 6762851

DOCUMENT-IDENTIFIER: US 6762851 B1

TITLE: Method and system for print stream job determination and analysis

DATE-ISSUED: July 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lynch; John P.	Yorkville	IL		
Williamson; Robert P.	Naperville	IL		

US-CL-CURRENT: 358/1.15; 358/1.18, 358/1.9, 705/1, 705/400, 705/406, 705/5, 710/21, 710/23, 710/5

ABSTRACT:

The invention is a method and system for print stream determination. The system's method begins with the initiation of a print stream processing application to which a print stream is directed. A print job is determined from a set of characteristics resident in the print stream. The print processing application will determine the optimal use of the system's peripheral devices for performing the job. The optimal use is determined by comparing each of the job's characteristics with each of the characteristics of the potential device driver. The comparison begins with determination of a value for each of the job characteristics wherein the value is representative of a desired result. A value for each of the device driver characteristics is determined wherein the value is representative of a potential result. Each of the desired results is compared to each corresponding potential result. If no corresponding potential result can be established, then an alternative peripheral device is sought. If no peripheral device is located, then the application will select a default peripheral device. The print stream will then be directed to the selected device for processing. Once the print stream has been analyzed, and the use of peripheral devices determined, the application establishes a job ticket representative of the print job and the optimal use of the one or more corresponding peripheral devices. The system can then produce one or more reports indicative of the job performance.

27 Claims, 12 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Book	Draw
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☐ 38. Document ID: US 6757689 B2

L7: Entry 38 of 40

File: USPT

Jun 29, 2004

US-PAT-NO: 6757689

DOCUMENT-IDENTIFIER: US 6757689 B2

TITLE: Enabling a zero latency enterprise

DATE-ISSUED: June 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Battas; Gregory	Indianapolis	IN		
Zargham; Bahman	Sunnyvale	CA		

US-CL-CURRENT: 707/101; 709/202, 709/206, 709/207, 709/224, 717/102, 717/104,
719/318

ABSTRACT:

Methods are provided for enabling an enterprise to run as a zero latency enterprise (ZLE) and for running an enterprise as a ZLE. Such methods allow the enterprise to integrate its services, applications and data in real time. Namely, an enterprise equipped to run as a ZLE is capable of integrating, in real time, its enterprise-wide data, applications, business transactions, operations and values. Consequently, an enterprise conducting its business as a ZLE exhibits superior management of its resources, operations and customer care.

60 Claims, 21 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Book	Draw
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☐ 39. Document ID: US 6753889 B1

L7: Entry 39 of 40

File: USPT

Jun 22, 2004

US-PAT-NO: 6753889

DOCUMENT-IDENTIFIER: US 6753889 B1

TITLE: Platform independent business to business messenger adapter generation tool

DATE-ISSUED: June 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Najmi; Farrukh S.	Reading	MA		

US-CL-CURRENT: 715/784; 705/10

ABSTRACT:

A method, apparatus, and system for providing a reliable message adapter generation tool are described. As a method, a first partner schema for the business message and a second partner schema for the business message are first loaded and displayed. A first partner schema link is selected as a current first partner schema link and a second partner schema link is selected as a current second partner schema link. If it is determined that the current first partner schema link correlates to the current second partner schema then the current first partner schema link and the current second partner schema link are link. If there is no correlation, then next links are recursively selected.

18 Claims, 12 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 12

Full	Title	Citation	Front	Review	Classification	Date	Reference					Claims	Index	Drawings
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☐ 40. Document ID: US 6751663 B1

L7: Entry 40 of 40

File: USPT

Jun 15, 2004

US-PAT-NO: 6751663

DOCUMENT-IDENTIFIER: US 6751663 B1

TITLE: System wide flow aggregation process for aggregating network activity records

DATE-ISSUED: June 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Farrell; Kevin	Windham	NH		
Ball; Steven	Sandown	NH		
Mahoney, II; Daniel O.	Rollinsford	NH		

US-CL-CURRENT: 709/224; 709/223

ABSTRACT:

A system for collecting and aggregating data from network entities for a data consuming application is described. The system includes a data collector layer to receive network flow information from the network entities and to produce records based on the information. The system also includes a flow aggregation layer fed

from the data collection layer and coupled to a storage device. The flow aggregation layer receiving records produced by the data collector layer and aggregates received records. The system can also include an equipment interface layer coupled to the data collector layer and a distribution layer to obtain selected information stored in the storage device and to distribute the select information to a requesting, data consuming application.

36 Claims, 40 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 36

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Drawings	Drawings
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